SEQUENCE LISTING

<110> CHAMBON, PIERRE
       GHYSELINCK, NORBERT B.
       SCHNUTGEN, FRANK

<120> METHOD FOR THE STABLE INVERSION OF DNA SEQUENCE BY
       SITE-SPECIFIC RECOMBINATION AND DNA VECTORS AND
       TRANSGENIC CELLS THEREOF

<130> 065691/0219

<140> 09/843,150
<141> 2001-04-30

<160> 56

<170> PatentIn Ver. 2.1

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<223> Description of Artificial sequence: R3
       synthetic oligonucleotide

<400> 3
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g   61

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c   61

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<400> 5
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cgaccct   67

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<220>
<223> Description of Artificial sequence: R6
      synthetic oligonucleotide

<400> 6
ctagagggtc gatggtgatg cttggataac ttcgtatagc atacattata cgaagttatc 60
ggatcca   67

<210> 7
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<223> Description of Artificial sequence: R7
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<400> 7
ctagtccaga tctcaccatc gacccataac ttcgtataat gtatactata cgaagttatt 60

<210> 8
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<212> DNA
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<223> Description of Artificial sequence: R8
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<400> 8
ctagaataac ttcgtatagt atacattata cgaagttatg ggtcgatggt gagatctgga 60

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<223> Description of Artificial sequence: R9
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<223> Description of Artificial sequence: R10
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<400> 10
ggggaattcc catggtgagc aagggcgagg ag   32

<210> 11
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<223> Description of Artificial sequence: R11
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<210> 12
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<223> Description of Artificial sequence: R12
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<400> 12
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<210> 13
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<223> Description of Artificial sequence: Synthetic
      oligonucleotide

<400> 13
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<210> 14
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<223> Description of Artificial sequence: Synthetic
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<223> Description of Artificial sequence: G1
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<223> Description of Artificial sequence: G2
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<223> Description of Artificial sequence:  G3
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<210> 18
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<223> Description of Artificial sequence:  G4
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<223> Description of Artificial sequence:  G5
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<223> Description of Artificial sequence:  G6
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<223> Description of Artificial sequence:  G8
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gcgc                                                                64


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<223> Description of Artificial sequence:  G9
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<210> 24
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<223> Description of Artificial sequence:  G10
      synthetic oligonucleotide

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<210> 25
<211> 42
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<223> Description of Artificial sequence:  G10
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<210> 26
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<223> Description of Artificial sequence: G12
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<210> 27
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<223> Description of Artificial sequence: G13
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<210> 28
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<223> Description of Artificial sequence: G14
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<400> 28
aagccaagca tcaccatcga cccataactt cgtataatgt atactatacg aagttatgtt 60

<210> 29
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<223> Description of Artificial sequence: G15
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<400> 29
aacataactt cgtatagtat acattatacg aagttatggg tcgatggtga tgcttggctt 60

<210> 30
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<223> Description of Artificial sequence: J1
      synthetic oligonucleotide

<400> 30
actagtggat cccccgggct gcaggaattc taccgggtag gggaggcgct t   51

<210> 31
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<212> DNA
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<223> Description of Artificial sequence: J2
      synthetic oligonucleotide

<400> 31
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agaagaactc gtcaagaag   79

<210> 32
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<220>
<223> Description of Artificial sequence: J3
      synthetic oligonucleotide

<400> 32
ctcgcgagga attcaaccag aagttcctat tctctagaaa gtataggaac ttccagct   58

<210> 33
<211> 58
<212> DNA
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<223> Description of Artificial sequence: J4
      synthetic oligonucleotide

<400> 33
ggaagttcct atactttcta gagaatagga acttctggtt gaattcctcg cgagagct   58

<210> 34
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<223> Description of Artificial sequence:   J5
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<400> 34
aatgcctacc ggaccatcat aacttcgtat aatgtatact atacgaagtt ataagcttgc 60
a                                                                 61


<210> 35
<211> 61
<212> DNA
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<223> Description of Artificial sequence:   J6
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<400> 35
agcttataac ttcgtatagt atacattata cgaagttatg atggtccggt aggcatttgc 60
a                                                                 61


<210> 36
<211> 59
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<223> Description of Artificial sequence:   J7
      synthetic oligonucleotide

<400> 36
gagctcataa cttcgtataa tgtatgctat acgaagttat ccaagcatca ccatatgca 59


<210> 37
<211> 59
<212> DNA
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<223> Description of Artificial sequence:   J8
      synthetic oligonucleotide

<400> 37
tatggtgatg cttggataac ttcgtatagc atacattata cgaagttatg agctctgca 59


<210> 38
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<223> Description of Artificial sequence:   J9
      synthetic oligonucleotide
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tcgacataac ttcgtataat gtatactata cgaagttata c                           41


<210> 39
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<223> Description of Artificial sequence:  J10
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tcgagtataa cttcgtatag tatacattat acgaagttat g                           41


<210> 40
<211> 48
<212> DNA
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<223> Description of Artificial sequence:  J11
      synthetic oligonucleotide

<400> 40
tcgaagaagt tcctaatcta tttgaagtat aggaacttcg cggccgca                    48


<210> 41
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<400> 41
tcgatgcggc cgcgaagttc ctatacttca aatagattag gaacttct                    48


<210> 42
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      synthetic oligonucleotide

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ccggtccttg gcctggaatt tgcactctgt tgacaaccat tgtctcct                    48


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<212> DNA
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<210> 44
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<223> Description of Artificial sequence: J15
      synthetic oligonucleotide

<400> 44
gagggagagg ggcggaattc cctatagtga gtcgtattac   40

<210> 45
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      synthetic oligonucleotide

<400> 45
ctccaccgct gaatgaaaag cagcatggtt gtggcaagct tatcat   46

<210> 46
<211> 18
<212> DNA
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<223> Description of Artificial sequence: Synthetic
      oligonucleotide

<400> 46
taacaatttc acacagga   18

<210> 47
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<223> Description of Artificial sequence: QT
      synthetic oligonucleotide

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ccagtgagca gagtgacgag gactcgagct caagct                                    36


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      synthetic oligonucleotide

<400> 48
ccagtgagca gagtgacg                                                        18


<210> 49
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<220>
<223> Description of Artificial sequence:  Neo1
      synthetic oligonucleotide

<400> 49
accgcttcct cgtgctttac                                                      20


<210> 50
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<220>
<223> Description of Artificial sequence:  Q1
      synthetic oligonucleotide

<400> 50
gaggactcga gctcaagc                                                        18


<210> 51
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<223> Description of Artificial sequence:  Neo2
      synthetic oligonucleotide

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<223> Description of Artificial sequence:   LoxP1
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<210> 53
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<223> Description of Artificial sequence:   Lox511
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<210> 54
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<223> Position 1050 loxP1 site, sense

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